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United States Patent [19][11] **Patent Number:** **5,358,490****Henry et al.**[45] **Date of Patent:** **Oct. 25, 1994**[54] **APPARATUS FOR USE IN CENTRAL VEIN CANNULATION**[76] **Inventors:** **Richard A. Henry**, 7 Toronto Street,
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both of Canada[21] **Appl. No.:** **81,197**[22] **Filed:** **Jun. 25, 1993**[51] **Int. Cl.⁵** **A61M 5/178**[52] **U.S. Cl.** **604/167; 604/284**[58] **Field of Search** 604/167, 247, 256, 272,
604/284; 137/846; 251/149[56] **References Cited****U.S. PATENT DOCUMENTS**

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[57]

ABSTRACT

Apparatus for central vein cannulation that includes a valved Y-connector for use between a conventional syringe and introducer needle. The valve is in an auxiliary arm and removably receives an end portion of a length of flexible tubing so that venous pressure can be visually observed during the medical procedure and then removed for insertion of a J-wire through the same valve by a conventional J-wire dispensing system.

8 Claims, 2 Drawing Sheets